

CLAIMS

1. A cable management system comprising:
 - (a) a wire cage assembly that includes a back wall and two side walls, each of said walls being formed at least in part by horizontal and vertical wire members;
 - 5 (b) at least one cable guide mounted with respect to said wire cage assembly, said at least one cable guide including an elongated member, a plurality of projecting arms extending from said elongated member, and at least one L-shaped latching member extending from said elongated member, said at least one L-shaped latching member being configured and dimensioned to latch with respect to a wire member associated
10 with the back wall of said wire cage assembly.
2. The cable management system according to claim 1, wherein said back wall of said wire cage assembly is defined by at least two vertical wires and wherein each of said two side walls are defined by at least two vertical wires.
3. The cable management system according to claim 2, wherein said at least one L-shaped
15 latching member of said at least one cable guide includes a latching finger that is adapted to engage one of said at least two vertical wires of said back wall of said wire cage assembly.
4. The cable management system according to claim 2, wherein said at least one cable guide comprises a first cable guide and a second cable guide.
5. The cable management system according to claim 4, wherein said first cable guide and said
20 second cable guide are mounted to said wire cage assembly with respect to the same side wall of said wire cage assembly, and wherein said at least one L-shaped latching member for each of said first cable guide and said second cable guide is latched with respect to the same vertical wire of said back wall of said wire cage assembly.

6. The cable management system according to claim 4, wherein said first cable guide and said second cable guide are mounted to said wire cage assembly with respect to different side walls of said wire cage assembly, and wherein said at least one L-shaped latching member for each of said first cable guide and said second cable guide is latched with respect to
5 different vertical wires of said back wall of said wire cage assembly.
7. The cable management system according to claim 1, wherein said elongated member includes a plurality of alignment channels for interacting with the wire cage assembly.
8. The cable management system according to claim 7, wherein one of said plurality of alignment channels is an elongated alignment channel for interacting with a vertical wire of
10 one of said two side walls.
9. The cable management system of claim 1, wherein said L-shaped latching member includes at least one cut-out region to facilitate flexure in connection with latching to a wire member associated with the back wall of said wire cage assembly.
10. The cable management system according to claim 1, further comprising a door member.
- 15 11. The cable management system according to claim 1, further comprising at least one rack, and wherein said at least one cable guide includes at least one aperture for mounting of said cable guide with respect to said at least one rack.
12. A substantially U-shaped wire cage assembly, comprising:
- 20 (a) a back wall defined by at least two vertical wires and a plurality of horizontal wire segments;
- (b) two side walls joined to said back wall to define a U-shaped configuration, each of said side walls being defined by at least two vertical wires and a plurality of

horizontal wire members, said plurality of horizontal wire members including a top wire member, a bottom wire member, and a plurality of intermediate wire segments, wherein said U-shaped configuration defines first and second corner regions, and wherein said first and second corner regions are devoid of vertical wires.

- 5 13. The wire cage assembly according to claim 12, wherein said top wire member and said bottom wire member are longer than said plurality of intermediate wire segments.
14. The wire cage assembly according to claim 13, wherein said top wire member defines a downward projection at a forward end thereof, and said bottom wire member defines an upward projection at a forward end thereof, said downward projection and said upward
10 projection being adapted to interact with a door member.
15. The wire cage assembly according to claim 12, further comprising a base member associated with said bottom wire member.
16. A cable guide comprising:
- (a) an elongated member;
- 15 (b) a plurality of projection arms extending from said elongated member; and
- (c) at least one L-shaped latching member extending from said elongated member.
17. The cable guide according to claim 16, wherein said elongated member includes a plurality of alignment channels formed therein.
18. The cable guide according to claim 16, wherein said plurality of projection arms are spaced
20 apart by a distance equal to one rack mounting unit.
19. The cable guide according to claim 16, wherein said at least one L-shaped latching member comprises two spaced apart L-shaped latching members so as to define a symmetric assembly.

20. The cable guide according to claim 16, wherein said at least one L-shaped latching member includes:

- (a) an alignment channel;
- (b) a latching finger structure; and

5 (c) at least one cut-out region to facilitate flexure of the L-shaped latching member during engagement with an ancillary wire element.

21. A method for mounting a cable guide to a wire cage assembly, comprising:

- (a) providing a wire cage assembly that includes a back wall defined by at least one vertical wire, and at least one side wall defined by at least two vertical wire members;

10 (b) providing a cable guide that includes (i) an elongated member; (ii) a plurality of projection arms extending from said elongated member; and (iii) at least one L-shaped latching member extending from said elongated member;

- (c) inserting at least part of said L-shaped latching member between said at least two vertical wires defining said at least one side wall; and

15 (d) rotating said cable guide relative to said wire cage assembly such that a latching element associated with said L-shaped latching member latches with said at least one vertical wire of said back wall of said wire cage assembly.

22. The method according to claim 21, wherein said elongated member of said cable guide includes at least one alignment channel for receiving one of said vertical wires of said side

20 wall of said wire cage assembly, and wherein said rotation of said cable guide occurs with respect to said one of said vertical wires received within said at least one alignment channel.

23. The method according to claim 21, wherein said L-shaped latching member further includes at least one cut-out region to facilitate flexure of said L-shaped latching member, and

wherein said L-shaped latching member flexes relative to said at least one cut-out region as it latches with said at least one vertical wire of said back wall of said wire cage assembly.

24. The method according to claim 21, further comprising repeating steps (a) – (d) so as to mount a plurality of cable guides with respect to said wire cage assembly.

5 25. The method according to claim 21, wherein said wire cage assembly and said cable guide defines a subassembly, and further comprising mounting said subassembly with respect to at least one rack.

26. The method according to claim 25, further comprising routing at least one wire or cable from a piece of equipment positioned on said rack through said subassembly.

10 27. The method according to claim 25, wherein said subassembly is mounted with respect to said at least one rack in an orientation that is selected from the group consisting of a vertical orientation and a horizontal orientation.